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FOREST SERVICE

1976 ANNUAL REPORT

Priest River Experimental Forest

by

Calvin L. Carpenter

Intermountain Forest and Range Experiment Station

Ogden, Utah

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1976 ANNUAL REPORT

PRIEST RIVER EXPERIMENTAL FOREST

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Intermountain Forest and Range Experiment Station
Ogden, Utah

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"HIGHLIGHTS"

The 65th year of continuous operation of Priest River Experimental Forest coincided with the 200th anniversary of the United States Declaration of Independence as a nation.

In tune to the Nation's Bicentennial, the 65th Anniversary of the establishment of the Experimental Forest was recognized with a week of programs and workshops in August 1976. The week of celebration was co-sponsored by the Intermountain Station and two sections of the Society of American Foresters; the Inland Empire and Northern Rocky Mountain Sections. The Planning Committee arranged a full week of activities including a forest management field trip on the Priest Lake District, a workshop for potential users of the prognosis growth model, and a public program featuring speeches, exhibits, and field tours.

A special public celebration of the 65th Anniversary took place at the Headquarters on August 11. The program, titled "A Day at Priest River," drew many visitors including local residents, foresters, researchers, and numerous "Old Timers" who had been associated with the Experimental Forest in earlier years.

A full day of activities was scheduled. Talks were given by past officials, leaders in research, industry, and education--also included were tours of research sites and viewing research exhibits. A copy of the official program is included in this report. The program was as follows:

1000-1130 Opening address by Dr. Roger Bay, Director of Intermountain Forest and Range Experiment Station. Following Director Bay, Dr. Roger Blair, (Director of Research, Potlatch Inc.) described research in industry and government. Dr. John Ehrenreich (Dean, College of Forestry, Wildlife and Range Sciences, University of Idaho) reviewed the growing importance of cooperative research between the University and the Forest Service.

Charles Wellner, (Assistant Director, retired) recounted the history of the Experimental Forest dating back to 1911, the time of the Station's origination. The highly honored guest speaker was Dr. Julius A. Larsen, age 99, who became associated with the Experimental Forest in 1913, and later (1917-1921) served as the second director. He then worked as a researcher until he joined the Forestry School faculty of Iowa State in 1924.

Margaret Blumenschein (daughter of Dr. Larsen) spoke briefly relating to her childhood while living at the Station, during the early days, when the problems of existance were far more complicated than the present day.

1130-1330	Lunch, prepared by Maxine Rookstool, (YCC camp cook) and served by Jane Knoke, Eileen Carpenter, and Jan Cary. Extra time was allowed to visit friends and see exhibits.
1330-1730	Tours of the Experimental Forest to review past research and research in progress.
1730-2030	Set aside for opportunity to visit friends, examine exhibits, and/or see points of interest.

May 13

The Bonner County sheriff issued a subpoena to Supt. Cal Carpenter to appear in District Court of the First Judicial District of the State of Idaho, Kootenai County, at Coeur d'Alene, June 21, 1976, to testify for the state of Idaho, plaintiff, vs. George E. Stroich, on trial for murder. Official climatological data, recorded at the PREF control station was presented as evidence for the state.

June 5

The Lodge at the Experimental Forest Headquarters, provided a beautiful setting for the nuptial services of Verla Jean Bidwell and Calvin A Carpenter, son of Mr. and Mrs. Calvin L. Carpenter.

The Superintendent's residence (Cottage #A) has been Calvin A's home since Jan. 1965, when his father, Calvin L., transferred from the NFFL Missoula, Montana to accept the superintendent job at PREF.

This was the first wedding ceremony ever performed at the Experimental Forest according to historical records and recollections of old-timers questioned.

Aug. 6

During the late afternoon, a sudden "cyclonelike" wind and heavy rain storm moved in from the south inflicting devastation throughout the entire Priest Lake District and much of the surrounding areas. Recorded wind velocities ranging from 60 to 80 miles per hour, caused severe damage. Timber blow-down cruised for sale on the district is 19 million feet, with an additional 2 to 3 million feet in set-a-side and inaccessible areas. Two campgrounds were eliminated and two more were damaged so extensively they required 2 weeks of reconstruction and clean-up before normal operation could be resumed. The main road and every major road north of the Coolin Junction, within the heavily populated recreation zones of the lake, was closed. Ambulances and crews responding to emergency calls were slowed to near stand still. Injuries ranged from minor to near fatal. Numerous vehicles, belonging to week-end visitors who arrived early, were totally destroyed.

The Priest River Experimental Forest escaped with only scattered trees blown down. However, one group of windthrown trees probably triggered an outbreak of bark beetles in lodgepole pine on North Ridge (See salvage sale to Williams).

Aug. 7

Austin Helmers returned to PREF to attend the 65th Anniversary Celebration. Austin is now retired after 34 years in forestry research. During his stay at the station he hiked and re-marked several of the old established trails within the Experimental Forest. His assistance proved to be invaluable to personnel preparing for the August celebration.

YOUTH CONSERVATION CORP

The Intermountain Forest and Range Experiment Station's fourth year sponsorship of the popular youth program, proved to be one of the most successful to date. Activation date was June 7 for staff members for the purpose of planning the seasonal work schedules and activities for the 5 day camp. The following Monday June 14, 20 young people from 15 through 18 years of age reported to spend the next 8 weeks in a earn-work-learn experience covering conservation projects and environmental awareness relating to the improvement of forest ecology. A well planned recreation program was enjoyed in the evenings and weekends. The regular season for the enrollees terminated August 6 with the staff remaining the following week to complete the season administration and assist with the 65th Anniversary celebration.

The coed camp consisted of 10 male and 10 female members headed by a seven-member staff which included:

1. Paige Ballard, INT Station YCC Coordinator
2. Robert Weisel, Camp Director
3. Steve Booth, Work Projects Coordinator
4. Elizabeth Rehn, Crew Leader
5. Mary Steffens, Crew Leader
6. Larry Rickards, Crew Leader
7. Mike Lazich, Crew Leader
8. Maxine Rookstool, Cook

Enrollees:

Danny Arnold	Harry Jordan
Kim Barfuss	Ed Hatus
Norm Bennett	Jon Kerby
Sherri Byers	Ken King
Pat Clare	Pat Loftis
Yvonne Eidson	Darren McNutt
Tim Gerlitz	Mike Mason
Sandy Gibbs	Linda Soderling
Heather Hoffman	Dan Tinker
Julie Jenicek	Brian Van Vleet

The work schedule was designed to include projects for the INT Station, Priest Lake Ranger Station, and the Idaho Fish and Game Department. Scheduling also included time for environmental education, recreation, and educational tours to local points of interest.

The new amphitheater which was constructed during the summer, provided an ideal setting for the camp completion ceremony where the days activities included introductions, awards, a one act play, and presentation of graduation certificates. The well planned program was attended by approximately 100 people, consisting of representatives from the INT Station, and relatives and friends of camp members.

RESEARCH ACTIVITIES

Timber Management Research

Permanent sample plots 122 and 123 (growth and yield) were remeasured during the 1976 field season by Russ Graham assisted by Rich Taylor, Virginia Graham and Lisa Vetter.

The environmental monitoring stations (5 sites) designed to determine the moisture, nutrients, and light, for enabling comparisons of environments of different ecological systems were monitored throughout the field season. Instrumentation was removed from the sites in late November by Russ Graham, Cal Carpenter.

Measurements of brush species volumes and a non-game bird count was conducted in the Intensive Timber Culture (I.T.C.) plots, 051, 052, 053, 059, 060, and 101 by Larry Erwin of the University of Idaho Wildlife Department.

As part of a Douglas-fir site study conducted during the summer of 1976, two sites on PREF were established and habitat-typed. Trees were felled and sectioned at every 10 year growth interval, and the most recent 10 year growth period by Robert Monserud and crew.

Recommendation by Charles Wellner, to set aside three reserved areas within the Experimental Forest to preserve additional habitat types was agreed upon. (Refer to activity map).

GENETICS

April 12. White pine seedlings moved into permanent positions in the Ida Creek western white pine plantation - Steinhoff's study.

April weekly. Bud burst measurements on Douglas-fir geographical variation materials in the nursery - Rehfeldt's study.

April weekly. Elongation measurement on western white pine local variation material in the nursery - Rehfeldt's study.

May. Height measurement of western white pine local variation material in the nursery - Rehfeldt's study.

May 3-4. Larch seedlings transplanted into nursery for future larch casebearer trials - Hoff's study.

June 22-24. Brush removed from the Ida Creek western white pine plantation - Steinhoff's study.

Also under June 22-24. Set up several larch plots to determine the presence of phenotypic resistance - Hoff's study.

1. Ida Creek - T58N, R4W, Sec. 23
2. Crows Nest - T58N, R4W, Sec. 27-34
3. Gisborne - T58N, R4W, Sec. 30
4. Tarlac Creek - T58N, R4W, Sec. 20

July 26-28. Measured height on white pine seedlings on the Canyon Creek site - Hoff's study.

August. Prepared for and participated in PREF Anniversary Day Celebration. Project provided a display and set up a tour of the nursery site, D. Andrews, D. Coffen, G. McDonald, G. Rehfeldt, R. Steinhoff, and P. Wells.

September. Measured height, diameter, and needle length in Douglas-fir geographical variation material in nursery - Rehfeldt's study.

September. Measured height and needle length on the white pine local variation planting in the nursery - Rehfeldt's study.

October. Collected foliage samples of the Douglas-fir coastal and inland variety hybrids for leaf oil analyses - Ernst von Rudloff - Rehfeldt's study.

October. Inspection of white pine in nursery for presence of blister rust - Hoff & McDonald's study.

November. Collect foliage sample of Douglas-fir geographical variation test to test for cold hardiness - Rehfeldt's study.

Forest Insect Research

The larch casebearer parasite Dicladocerus westwoodii was released in the Benton Creek area at the junction of South Ridge, 597B road and the Crow's Nest 597 I-4 road on 5/20/76, 9/22/76, and 10/8/76. Overwintering casebearer was also sampled for this area on 12/3/76, to determine the population density. This same area was used during July 1976 as a demonstration area for the YCC to show defoliation of western larch caused by the larch casebearer. By Leon Theroux.

Forest Disease Research

Ed Wicker sampled two temporary dwarf mistletoe Inpact plots during the season.

Wildlife Habitat Research

Range Management and Wildlife Habitat Research RWU 1705, FSL Missoula, Montana, utilized the facilities at PREF August 16 through August 18, while doing the annual research on the established plots. Field work consisted of resampling vegetation on permanent plots in three areas for study of forest succession. These plots are part of a larger long term study of the effects of logging disturbance on big game habitat. By Peter Stickney and Chris Nelson.

Fuel Science

Litter collections were made by personnel at PREF and sent to the Northern Forest Fire Lab for the purpose of testing fine forest fuel moisture. Collection made by Cal Carpenter.

FOREST INFLUENCES

Control Weather Station

Results of daily weather observations recorded each day at 1700, during the 65th consecutive year of operation at this station are revealed in table 1. These records are continuous and unbroken since establishment of the Priest River Experimental Forest in 1911. The usual midweek and monthly summaries were submitted to the Priest River Times for publication in the local news media. Upon request these data are furnished to other government agencies, state agencies, county departments, private industry, universities, public schools and private individuals. (Detailed Weather Story Under High Lights).

Figure 1 describes the recordings of cumulative precipitation for the water year of 1975-1976. Included also is the comparative trends for the wettest year, driest year and a 50 year mean (1912-1961).

Table 2 delineates total monthly and total annual precipitation as comparable to the 17 years (1960-1976) averages for three different stations located within the Benton Creek watershed.

Snow Survey

Table 3 records the results of snow surveys which were conducted beginning January 1, 1976 and continued through the spring season until runoff was completed. Benton Spring which includes 10 stations, and Benton Meadow which includes 15 stations were maintained by Vern Bromgard from the Soil Conservation Service in Sandpoint and Cal Carpenter from INT Station.

Table 1. CONTROL STN. MONTHLY PRECIPITATION AND TEMPERATURE - 1976
FIGURES IN PARENTHESIS ARE 50 YEAR (1912-1961) AVERAGES

	Precipitation		Temperature			
			Ave. max.		Ave. min.	
	Inches		*Degrees F*			
January	280	(4.02)	31.7	(30.3)	23.8	(16.6)
February	4.50	(3.09)	34.9	(36.4)	22.7	(18.3)
March	1.75	(2.65)	40.0	(45.3)	21.0	(23.5)
April	2.52	(2.04)	53.7	(57.6)	31.5	(29.6)
May	1.98	(2.18)	69.0	(66.7)	36.8	(36.6)
June	1.28	(2.27)	69.1	(73.5)	41.7	(42.5)
July	0.90	(0.89)	80.2	(83.1)	47.8	(45.5)
August	3.66	(0.97)	75.6	(82.0)	49.6	(43.4)
September	0.12	(1.67)	76.4	(70.4)	40.2	(37.4)
October	0.89	(2.96)	57.4	(56.6)	31.7	(32.1)
November	1.16	(3.76)	39.2	(39.6)	25.8	(26.7)
December	1.85	(4.37)	31.5	(32.5)	24.5	(21.1)
Annual	23.41	(30.87)	54.9	(56.1)	33.1	(31.0)

FIG. 1--CUMULATIVE PRECIPITATION FOR WATER YEAR, OCTOBER THROUGH SEPTEMBER
PRIEST RIVER EXPERIMENTAL FOREST, CONTROL WEATHER STATION

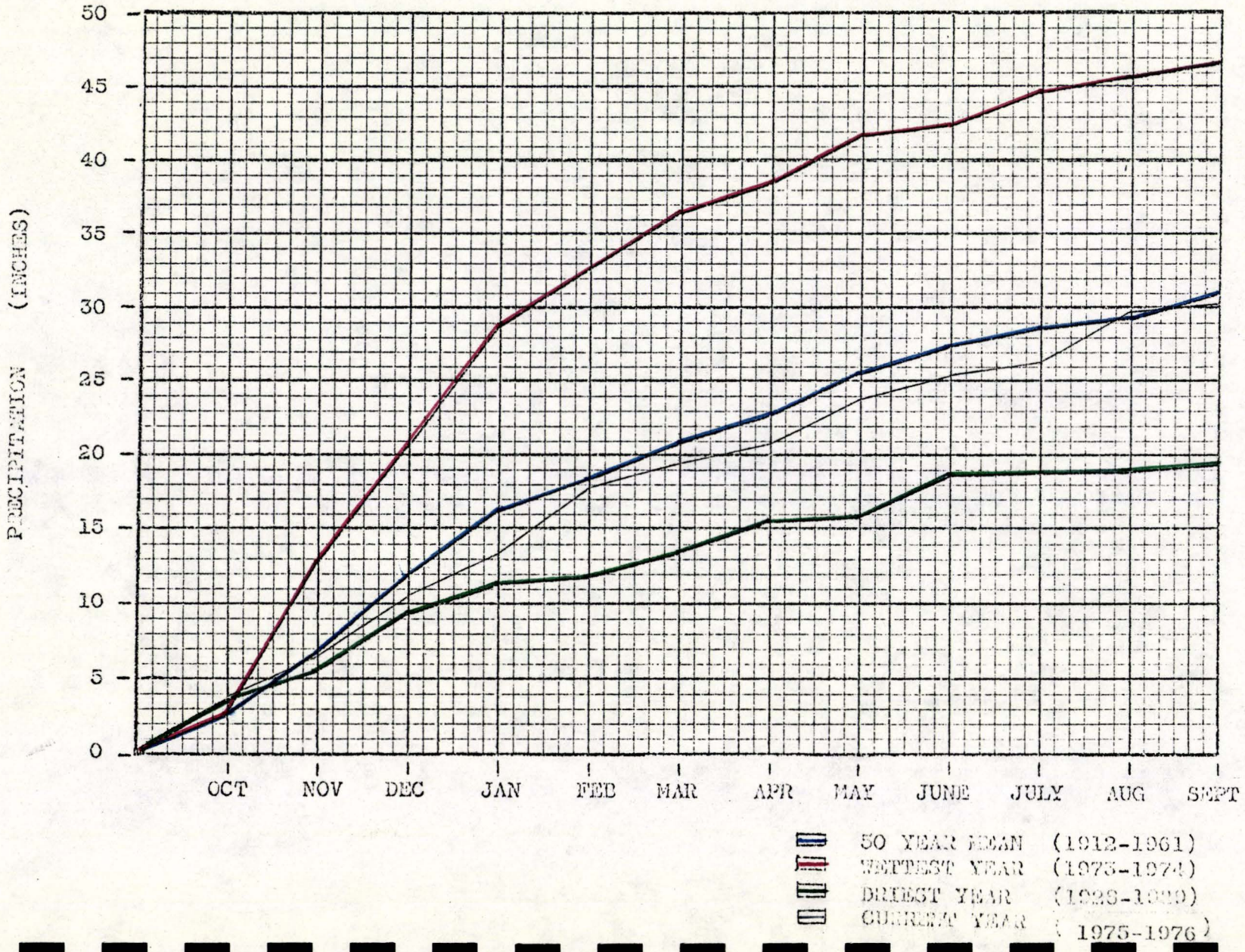


Table 2. PRECIPITATION AT THREE STATIONS ON BENTON CREEK - 1976. FIGURES IN PARENTHESIS ARE 17-YEAR (1960-1976) AVERAGES

	Control Stn. Elev. 2,344	Benton Dam Elev. 2,640	Benton Spring Elev. 4,775
January	2.80 (4.58)	2.58 (5.06)	3.50 (4.53)
February	4.50 (2.95)	4.34 (3.04)	3.20 (3.45)
March	1.75 (2.81)	1.80 (2.97)	4.50 (3.68)
April	2.52 (2.02)	2.67 (2.20)	3.60 (2.81)
May	1.98 (2.37)	1.96 (2.43)	1.50 (3.06)
June	1.28 (1.99)	1.33 (2.12)	3.20 (2.74)
July	0.90 (0.92)	1.14 (0.99)	2.30 (1.30)
August	3.66 (1.47)	3.81 (1.62)	4.50 (1.81)
September	0.12 (1.49)	0.22 (1.48)	0.30 (1.70)
October	0.89 (2.33)	0.95 (2.26)	1.10 (2.59)
November	1.16 (4.70)	1.23 (4.74)	1.80 (4.83)
December	1.85 (4.71)	1.70 (4.96)	2.60 (5.33)
Total	23.41(32.34)	23.73(33.87)	32.10(37.83)

Table 3. SNOW DEPTH AND WATER CONTENT FOR BENTON MEADOW AND BENTON SPRING SNOW COURSES. FIGURES IN PARENTHESIS ARE 25 YEAR AVE. (1937-1961)

Month	Benton Meadow Elev. 2,344'		Benton Spring Elev. 4,775'	
	Snow depth	Water content	Snow depth	Water content
	Inches			
January	00.0 (12.0)	0.0 (2.7)	10.3 (30.9)	3.0 (8.4)
February	13.4 (19.4)	3.3 (4.8)	20.6 (46.8)	6.2 (13.7)
March	17.5 (19.3)	4.6 (6.0)	37.9 (55.3)	11.2 (18.4)
April	17.5 (6.2)	5.1 (2.3)	53.3 (22.1)	16.0 (20.4)
May	00.0 0.0	0.0 (0.0)	40.5 34.0	14.5 (14.8)
June	00.0	0.0	00.0	00.0

The Weather Station

Fire weather readings were continued during the fire season May 1-Oct. 31, 1976. Observations were made daily at 1300, the data compiled and with the ending of each 10 day period a report was completed and submitted to the chief dispatcher at the Coeur d'Alene fire desk. This was the first station of its kind in the United States and has been maintained since it was established in the mid 1920's.

INFORMATION AND EDUCATION ACTIVITIES

Personnel

Position	Dates	Name
Superintendent	1/30/65 to present	Cal Carpenter
Maint. Assistant	Intermittant	Jane Knoke

Meetings, Group Visits, and Inspection

Feb. 26-27 — Marvin Foiles, general inspection and Station business conference.

Mar. 24-25 — Russ Graham arrived to inspect and discuss plans and schedules for the upcoming season activities in relation to the Environmental Grids located within the Experimental Forest. The Observatory Point timber sale proposal was also discussed at this time.

May 3 — Ray Boyd and Russ Graham conducted a show-me-tour for personnel from the Colville National Forest. Members observed silviculture research installations on the PREF.

May 11 — Paige Ballard, Vic Hager, Helen Perryman, Fran Preston, conducted a general facility inspection, provision inventory and planning session for the coming YCC encampment.

May 17-18 — Paige Ballard, Vic Hagar, Helen Perryman, and Fran Preston arrived to set up administrative scheduling and discuss modification plans of the YCC use facilities.

May 17-19 — Marvin Foiles and Russ Graham arrived to continue planning discussions on the Observatory Point timber sale, and to participate in a planning meeting for the coming 65th Anniversary celebration.

May 20	Ralph Klawitter and Paige Ballard arrived to attend the 65th Anniversary planning meeting. Others in attendance were: Charles Wellner, Marvin Foiles, Russell Graham, Martin Onishuk, John Host, Karel Stoszek, Robert Bosworth, and Cal Carpenter.
June 7-11	YCC staff week inspections set up and planning meeting for the coming season. Those attending included, Paige Ballard, Robert Weisel, Steve Booth, Mary Steffens, Liz Rehn, Larry Rickards, Mike Lazich, and Maxine Rookstool.
June 22-23	Grant Mortensen and Paige Ballard conducted a safety inspection of all facilities.
June 26	Charles Wellner met with Mr. and Mrs. Charles Sowder, feature writers for Ruralite Magazine, to discuss material relating to historical and research facts concerning the Experimental Forest.
July 7-8	Marvin Foiles and Russ Graham met with Priest Lake Ranger District personnel to discuss the Environmental Analyses Report for the Observatory Point timber sale, and to inspect a proposed road crossing PREF to provide access to private land.
July 12	Marvin Foiles and Russ Graham conducted a close inspection of the Observatory Point timber sale area for the purpose of modifying cutting unit locations.
Aug. 9-11	The following personnel were present to set up displays and assist with the activities involved with the 65th Anniversary of the establishment of Priest River Experimental Forest; FSL, Missoula: Ralph Klawitter, Martin Onishuk, John Host, Mick Gonsier, Jack Schmidt, Wyman Schmidt, Robert Pfister, Raymond Shearer. NFFL, Missoula: Hal Anderson, William Fischer, Dick Rothermel, Art Brackebusch, Charles Hardy (retired), Pat Andrews, Jack Cohen, Martin Vick. FSL, Moscow: Charles Wellner (retired), Dick Bingham (retired), Glenn Deitschman (retired), Austin Helmers (retired), Al Stage, Marvin Foiles, Ray Boyd, R. Graham, William Wykoff, David Hamilton, Dennis Ferguson, Bob Monserud, R. Hoff, R. Steinhoff, G. Rehfeldt, G. McDonald, D. Andrews, P. Wells, and D. Coffen, Ed Wicker, Neil Martin, John Woo, Harold Haupt, Gordon Snyder, Bud Jeffers, Mal Furniss, Robert Denton,Gayle Yamasaki, David Martinez, Paige Ballard, Fran Preston, Marguerite Wise, Joan Coupe. YCC Staff: Robert Weisel, Larry Rickards, Mary Steffens, Mike Lazich, and Maxine Rookstool.
Sept. 28	Ray Hoff and Region 6 representatives, Gary Osterhouse and Ron Myers toured PREF to observe blister rust resistant plantations.

RESEARCH COOPERATORS

Dates	Individuals	Purpose
April 3	Jack King, Remy Pachelon, Robert Rogers, Ed Chacho, Univ. Idaho.	Conduct snow survey within a low elevation clearcut.
June 15-17	Riley McClelland Univ. Montana	Investigate and observe hole nests, hole nesters and make tree measurements within surrounding habitat.
July 14-16	Don Burnell, Homer Cabrera, Robert Rolke, Wash. State Univ.	Lodgepole pine phloem growth study.
July 21	Robert Grotefind, natural resources instructor, Spokane Community College, and 17 member dendrology class.	To collect herbarium samples.
July 23-25	Dr. Fred Rabe, Mrs Nancy Savage, Univ. Idaho, assisted by Charles A. Wellner.	To study aquatic habitat in Canyon Creek within the natural area.
Aug. 18	Philip Hartwig, Soil Scientist, ISSC, Barry Turner, Soil Scientist, ISSC, and Charles Weisel, party leader for Bonner County Soil Survey, SCS.	To investigate soil profiles for chemical and physical data.
Sept. 23	Robert Grotefend, natural resources instructor and 15 students second year forestry technician class, Spokane Community College.	To observe silvicultural research practices, PREF.
Sept. 24-25	Karel Stoszek, associate professor of forestry, Univ. Idaho, and 23 advanced forestry students.	To observe active silviculture research, PREF
Sept. 27-Oct.	Robert C. Knott, assistant director, Outdoor Biology Instructional Strategies, Univ. Calif. Research Center in Science Education and crew of 4 members.	Research in new fields of science education for primary groups.

FOREST MAINTENANCE AND SUPPORT ACTIVITIES

Timber Sales

Observatory Point Timber Sale (proposed)--further preparatory work was completed on the sale with harvest time advanced to 1978. The environmental analysis report was completed in 1976, and the final road and cutting unit locations were also established. Survey of all system roads to be constructed on the sale was completed by Sandpoint Zone Engineering. Layout of individual cutting units was accomplished by personnel from the Priest Lake Ranger District and the Forestry Sciences Lab, Moscow.

Salvage Sales (John Williams). A small blowdown-beetle kill sale on North Ridge was prepared, sold, and harvested in 1976. The sold volume was 52 MBF.

Roads and Trails

The regular spring maintenance, consisting of removal of blow-down, rocks, and culvert cleaning, was accomplished on the main traveled roads by the station superintendent.

Special attention to designated roads listed for tour routes during the August 11th celebration was undertaken by personnel and equipment from the Sandpoint Zone Engineering section from Sandpoint, and a Title X crew from the Priest Lake Ranger District. Roads 597-A, 597-B to junction of 597-M2, 597-M2, and 597-C were bladed and brushed. Gabions were installed in two slump areas on the 597-B road. All work was under the guidance of O. D. Cox crew boss, Priest Lake District supervised by Irby Walter, Sandpoint Zone Engineering.

The 597-F road was bladed 11/15/76 by a private operator, Dale King, who obtained a Road Use Permit from the Priest Lake District. Other road segments used under this permit are as follows:

597-Q1	1.9 miles
597-D	0.9 miles
597-A	0.7 miles
597-F	1.6 miles (entire length)

The termination of permit was 12/31/76. No forseeable extension.

Trail number 12 within the Canyon Creek Natural Area was reopened and cleared from the junction of the 597-C road to the junction of 597-E road. This portion of the trail was traveled on foot by many interested visitors attending the anniversary celebration. YCC crews and crew leaders assisted Station personnel in completing the project.

The Anniversary Trail which was marked and planned for the 65th Anniversary occasion began near cottage 4, at the junction of 597-A and 597-P1 roads. The route was designed to include early and present day research sites. The project was completed during the early summer season by YCC personnel.

Austin Helmers (retired INT) spent several days relocating and marking trails within the Experimental Forest bounderies. Trails and their junctions with roads were marked as follows: Trail #8 from Road 597-C to Canyon Creek and end of Road 597-F; Trail #7 between Road 597-N4 and Road 597-N5; Trail #12 from Trail #8 to Road 597-C; Trail #9 from Road 597-C to Trail #12; Trail #12 for a short distance beyond. Trail #10 from Road 597-C to Canyon Creek.

Fire Protection

All fire hose cabinets (5) were inspected at regular intervals, and were found to be in good working condition. Dry chemical fire extinguishers located in the headquarters buildings were checked for required pressurized gas cartridges and dry powder content.

"Early Warning" smoke detectors were installed in Cottages 1, 2, 3, 4, and the mess-hall bunkhouse. Regular weekly inspections were made to check activation power source.

The fire plan for the Experiment Station was reviewed at the regular annual cooperative meeting of the Priest Lake District and INT Station. During the fire season of 1976, weekly patrols by the prevention guard were made. The main traveled roads and high points are patrolled by a three man group (Falls Fire Crew) during high hazard conditions.

Headquarters Maintenance

The regular annual duties which are required each spring include cleaning of the entire headquarters grounds area, tree pruning and removal of shrub ingrowth. All winterized building were reopened and necessary repairs were made in the plumbing systems. The water, sewage disposal, electrical system, and all smoke detector alarms were inspected at semi-monthly and monthly intervals. Guard posts were set at the junction of A-1 and headquarters system roads. All fire hydrants were repainted.

Buildings

A. Office Laboratory--A slight leak in the plumbing located on the first floor near the restroom necessitated removal of wall paneling to gain access for repair. The lecture room interior was repainted and a new rug was installed. The exterior trim was repainted and 11 windows were thoroughly cleaned. The labor was furnished by YCC personnel. An amphitheater, with seating space for 200 people was installed near the north end of the Office Lab. Labor furnished by Title X crew. The amphitheater was designed by the Panhandle N.F. landscape architect.

B. Cottage #1 (Lodge)--The basement sleeping quarters laundry room, and hallway were painted with labor provided by YCC crews. A new washer and dryer was pruchased and will be installed at a future date. The new units were obtained to relieve overload during the summer season. Minor maintenance was required in the plumbing, heating and sewage systems. Storm doors, and windows were repaired also.

C. Cottage #2--Minor plumbing repair was required in water system. A new stack switch was installed in the furnace.

D. Cottage #3--A new hot water tank was installed. The sewage disposal system required drain clearance. New drain lines were installed in the laundry facility.

E. Cottage #4--General maintenance upkeep was required in the electrical and water systems. The bathroom was refinished and the floor base coving was removed and reinstalled to improve appearance.

F. Bunkhouse-Mess-hall--A new floor cover was installed in the dining and kitchen areas. It was necessary to replace a hot water tank in the kitchen. An exhaust fan, complete with venting system, was installed by Vic Hager, FSL, Moscow. Hydraulic door closers were installed on the rest room doors. Two shower stalls were purchased and will be installed before the summer season activities begin in 1977. YCC crews constructed two large picnic tables which proved to be a real benefit in providing comfort for the youth camp termination, and the PREF 65th Anniversary ceremonies.

G. The domestic water supply system required replacement of the high-low water level control switch. The power line to the reservoir required resplicing after a storm caused malfunction. The nursery water system and the sewage disposal system were inspected at regular monthly intervals and were found to be trouble free.

H. The fuel storage building, gas pump shelter, woodshed, outside storage shelters, were inspected each month with no required maintenance needed. The fire hose stations, fire hydrants were inspected quarterly and found to be in good working condition.

I. The fenceline which follows the county road right-of-way through the Experimental Forest required no annual maintenance due to light winter snows, and no visible wildlife damage or problems with windfalls.

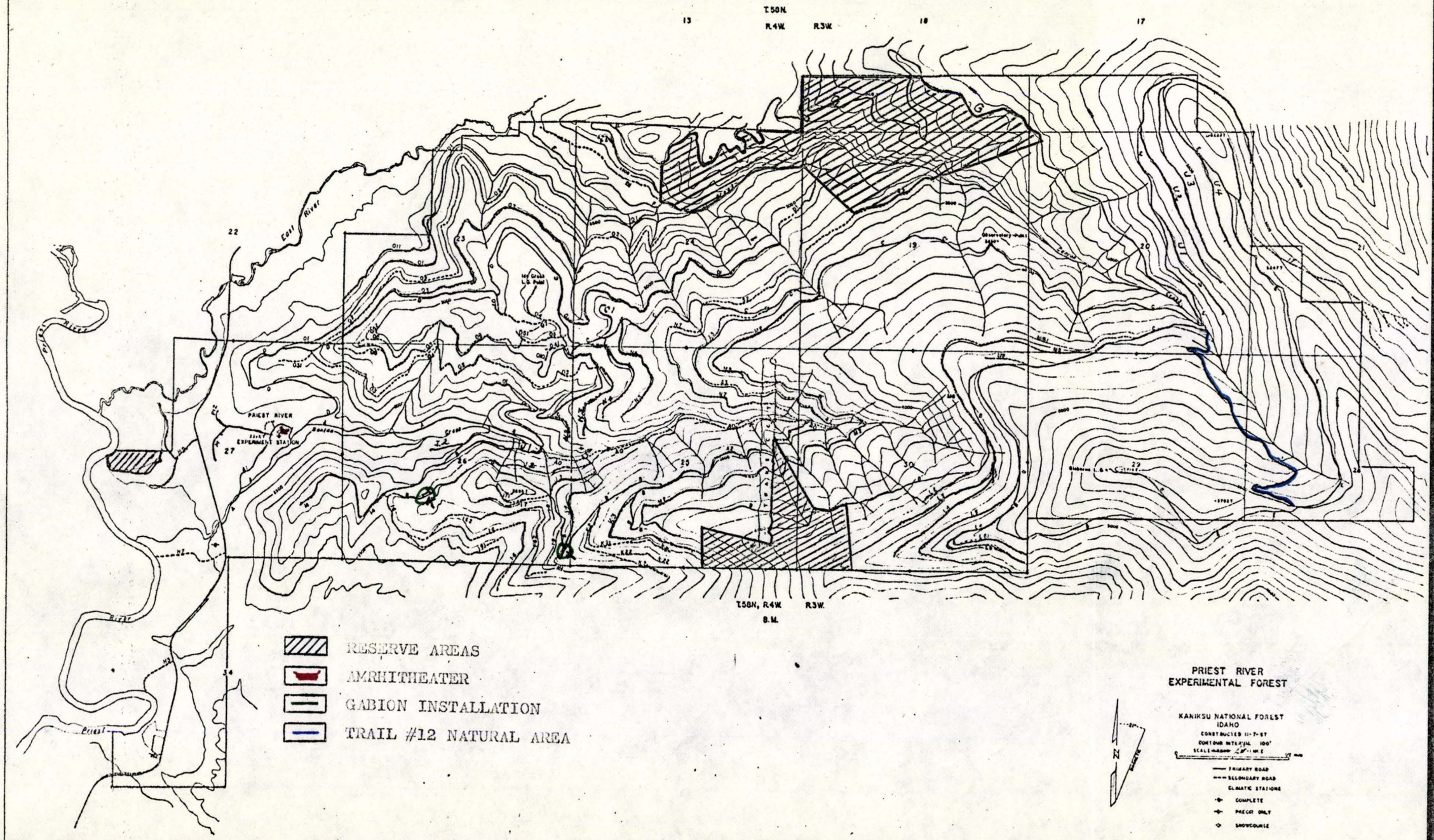
J. The forest weather tower which was erected in 1934 required maintenance. The first platform above ground level was reconstructed and a new trapdoor with lock was installed.

COOPERATION

The Moscow Forestry Sciences Lab. and the Priest Lake Ranger Station, annual meeting was held at the Supervisor's Office in Coeur d'Alene on March 2, 1976. General discussion relating to management and planning were the main topics. Those attending were: Dan Montgomery, Dick Hodge, and Wally Huff, Priest Lake Ranger Station; Jim Stark, Sandpoint Engineering Unit; Gordon Warrington, Sandpoint Zone Planning Team; Gus Verdal, Idaho Panhandle N.F.; Al Stage, Marvin Foiles, Russ Graham, Paige Ballard, and Cal Carpenter, Experiment Station.

Major points of discussion are summarized below: Unit Planning, 65th Anniversary of PREF, YCC. camp, Timber Sales, Planting, Roads, and the Memorandum of Understanding.

As in past years, cooperation in compliance with the Memorandum of Understanding proved to the of great value. The district assisted with timbersales, road maintenance, fire control, amphitheater construction, and the 65th Anniversary.


T 58 N.
R.4W.
R.3W.
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East River
PRIEST RIVER
EXPERIMENT STATION
Ivy Creek L.O. Point
Observatory Point
Elevation
Priest River
T58N, R4W.
R3W.
B.M.
RESERVE AREAS
AMPHITHEATER
GABION INSTALLATION
TRAIL #12 NATURAL AREA
PRIEST RIVER
EXPERIMENTAL FOREST
KANIKSU NATIONAL FOREST
IDAHO
CONSTRUCTED 11-7-57
CONTOUR INTERVAL 100'
PRIMARY ROAD
SECONDARY ROAD
CLIMATIC STATIONS
COMPLETE
PRECIP ONLY
SNOWCOURSE

APPENDIX

Many people contributed to the success of the 65th Anniversary celebration. This report cannot acknowledge all the direct and indirect contributions that were so productive in the total effort. The final success was a result of the active and friendly cooperation of everyone who participated in any part of the weeklong program. The following lists record the names of some people who served in key positions and on appointed committees:

Roger Bay, Intermountain Sation Director--the firm and steady support of the Director and his staff was essential to the program.

Ralph Klawitter, Assistant Director--as chairman of the 65th Anniversary Planning Committee, organized the program, appointed committees, and served as liason between participants.

Marvin Foiles, Scientist in charge of Experimental Forests--as Deputy Chairman of the planning committee coordinated activities of all committees, administered the budget, planned and expedited the physical improvements on the forest and at Headquarters.

Cal Carpenter, Experimental Forest Superintendent--as resident manager was responsible for accomplishment of the on-site preparations and effective cooperation with all committees and other participants before, during, and after the celebration.

Dan Montgomery, Priest Lake District Ranger--as representative of the IPNF cooperated above and beyond normal call of duty in rearranging work schedules and priorities to assure that improvements, such as the amphitheater, road maintenance, parking lot, and a manned first-aid station, were completed before the celebration.

YCC camp leaders--altered the normal program priorities in order to help with preparation and conduct of the celebration.

Charles Wellner, retiree--conceived the original idea and inspired the continuation of planning and activity resulting in the successful program. Chuck also authored a history of the Experimental Forest for the occasion.

65th Anniversary Planning Committee 1973-75:

Charles D. Leaphart, Chairman	INT Moscow
Dan Montgomery	Priest Lake R.D.
Marvin Foiles	INT Moscow
James C. Emerson	Idaho Panhahdle N.F.
Maurice A. Vogel	I&E Officer, For. Serv., Spokane
Richard Klade	INT Ogden

65th Anniversary Planning Committee 1975-76:

Ralph Klawitter, Chairman	INT Missoula
Marvin Foiles, Deputy Chairman	INT Moscow
Charles Wellner, retiree	Moscow
Bill Beaufait, Soc. Am. Foresters, NRM Sec.	
Darrel Kenops, Soc. Am. Foresters, Inland Empire Sec.	
Martin Onishuk	INT Missoula

August 10 Field Trip Committee:

Karel Stoszek	SAF, Inland Empire
Ray Shearer	SAF, NRM
John Host	SAF, NRM

Growth Prognosis Workshop Committee:

Albert Stage, Chairman	INT Moscow
Dave Hamilton	INT Moscow
Bill Wykoff	INT Moscow
Dave Pickett	SAF, NRM

INT Tours Committee: Ray Boyd, Chairman

Forest Protection: Fischer, Wicker, Furniss
Silviculture: Deitschman
Watershed: Haupt
Tree Improvement: Hoff
Natural Areas: Wellner

INT Exhibits Committee: Hal Anderson, Chairman

Publications and History: Onishuk
Fire: Fischer
Silviculture: Boyd
Ecology: Pfister
Diseases: Wicker
Insects: Denton
Watershed: Haupt, Snyder
Utilization: Host, Gonsior
Wildlife: Lyon, Stickney

Buildings and Grounds Committee:

Paige Ballard and YCC leaders and Cal Carpenter

Transportation Committee:

Ray Boyd

News Releases, Invitations, Programs:

Martin Onishuk and Delpha Noble

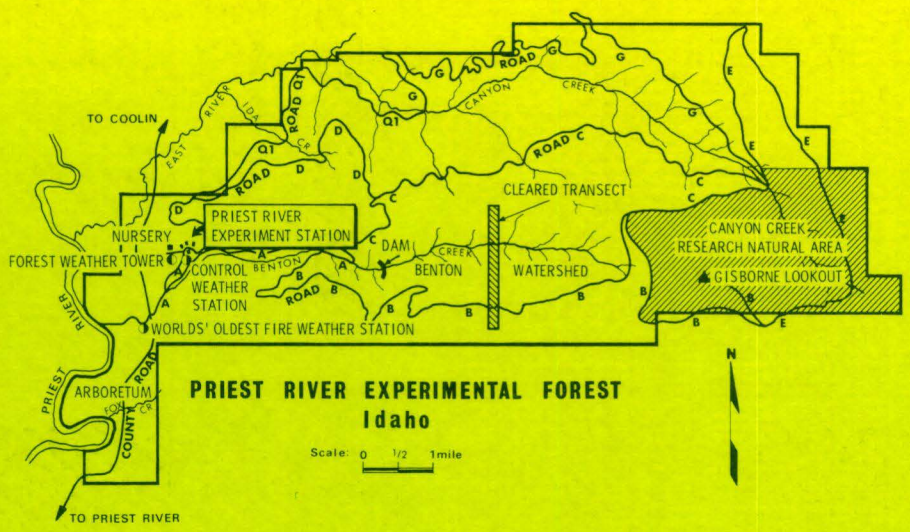
The following list is an accounting of the names of those who attended the 65th Anniversary Celebration:

William C. Fischer	2307 Gilbert St., Missoula	NFFL, Missoula
Hal E. Anderson	Huson, Montana	NFFL, Missoula
Jack D. Pohen	210 Strand, Missoula	NFFL, Missoula
Barbara Orem	1111 McDonald, Missoula	NFFL, Missoula
Ed Zaidlicz	724 Park Lane, Billings,	BLM, Billings
Rose Mattox	Moscow, Idaho	FSL, Moscow
Marguerite Wise	Moscow, Idaho	FSL, Moscow
Mark Payne	Box 496, Libby, MT.	
Jack C. White	Bigfork, MT.	
Ruth W. White	Bigfork, MT.	
Bob Monserud	Moscow, Idaho	FSL, Moscow
Albert R. Stage	Moscow, Idaho	FSL, Moscow
Jan Qualls	Moscow, Idaho	FSL, Moscow
Lois Williams	104 Jefferson Ave., Ogden	INT, Ogden
Ray Williams	104 Jefferson Ave., Ogden	Husband of Lois
Roger R. Bay	Ogden, UT.	Director, INT, Ogden
Ralph A. Klawitter	Missoula, MT.	Asst. Director, Missoula
Marvin W. Foiles	Moscow, ID.	INT, Moscow, ID.
Eugene L. Yahvah	Libby, MT.	St. Regis Paper Co.
William R. Wykoff	Moscow, ID.	INT, Moscow
David A. Hamilton, Jr.	Moscow, ID.	INT, Moscow
W. Paige Ballard II	Moscow, ID.	INT, Moscow
R. O. Weisel	Moscow, ID.	YCC Camp, PREF
Steven A. Booth	Nordman, ID.	YCC Camp, PREF
Larry Rickards		YCC Camp, PREF
Mabelle Hardy	Missoula, MT.	Wife of Mike
Mike Hardy	Missoula, MT.	Retired USFS
Dan Hall	Missoula, MT.	
Joanne Hall	Columbus, Ohio	
Sarah Hall	Columbus, Ohio	Relative of Mike Lazich ?
Mike Lazich	Columbus, Ohio	YCC Crew
Ray Boyd	Moscow, ID.	INT, Moscow
Russ Graham	Moscow, ID.	INT, Moscow
Gayle Yamasaki	Moscow, ID.	INT, Moscow
Sandy Wellner	Olympia, WA.	Daughter of C. A. Wellner
Kent Wellner	Moscow, ID.	Son of C. A. Wellner
David M. Price	Lewiston, ID.	Potlatch Corp.
Roger Blair	Lewiston, ID.	Potlatch Corp.
Homer J. Hartman	St. Maries, ID.	Retired USFS
Cal Carpenter	Priest River, ID.	INT, PREF
Eileen Carpenter	Priest River, ID.	Wife of C. Carpenter
Jan Cary	Priest River, ID.	Daughter of Carpenter's
Jane Knoke	Priest River, ID.	INT, PREF
Dennis Ferguson	Moscow, ID.	INT, Moscow
Ralph Kizer	Coeur d'Alene, ID.	For. Sup., Id. Pan. N.F.
Darlene Kizer	Coeur d'Alene, ID.	Wife

Austin Helmers	Fairbanks, Alaska	Retired USFS
Mrs. Helmers	Fairbanks, Alaska	Wife
Thomas Robison	Nezperce N.F., Kooskia	Nezperce N.F.
Clyde J. Miller	St. Maries, ID.	Retired USFS
Bud Jeffers	Kooskia, ID.	INT, Moscow (Kooskia)
Bob Baker	Spokane, WA.	KHQ TV, Spokane
Maurice Vogel	Spokane, WA.	USFS, Spokane (I&E)
Milo J. Larson	Moscow, ID.	Palouse R.D.
Elton E. Bentley	Post Falls, ID.	Retired USFS
Rolf B. Jorgensen	Coeur d'Alene, ID.	Retired USFS
Carl G. Krueger	Coeur d'Alene, ID.	Retired USFS
Joe Pechanec	Ogden, Utah	Retired, Director, INT, Ogden
Gene Pechanec	Ogden, Utah	Wife of Joe
Ron Lindmark	Ogden, Utah	INT, Ogden
Lynette Lindmark	Ogden, Utah	
Cindy Lindmark	Ogden, Utah	
Stephen L. Riese	Moscow, ID.	INT, Moscow
John Woo	Pullman, WA.	INT, Moscow
Harold Haupt	Moscow, ID.	INT, Moscow
Richard Carlson	Sandpoint, ID.	
Jim Irving	Sandpoint, ID.	
Bob Denton	Moscow, ID.	INT, Moscow
Faye Denton	Moscow, ID.	
Robert W. Halverson	Sandpoint, ID.	
Morton Wood	Coeur d'Alene, ID.	
Ruth Ann Bay	Ogden, Utah	Wife of Director Bay
Laurie Bay	Ogden, Utah	Daughter of Director Bay
Mrs. Carma Foiles	Moscow, ID.	
Pat Andrews	Missoula, Montana	NFFL, Missoula
Bill Beaufait	Missoula, Montana	R-1, Missoula
David Martinez	Moscow, ID.	INT, Moscow
John Ehrenreich	Moscow, ID.	Dean of For., Univ. Idaho
Mick Gonsier	Missoula, Montana	INT, Missoula
Shumichi Yokota	Sapporo, Hokkaido, Japan	Visitor in Res., INT Moscow
Ed F. Wicker	Moscow, ID.	INT, Moscow
Glenn H. Deitschman	Moscow (now Arkansas)	Retired FSL, Moscow
Lloyd Hayes	Ft. Collins, Colorado	Retired USFS
Pauline Hayes	Ft. Collins, Colorado	
Dorothy Miller	San Francisco, CA.	
Carol Clifford	San Mateo, CA.	
George Howe	Missoula, Montana	R-1, Missoula USFS
Myra Howe	Missoula, Montana	
Victor Hager	Moscow, ID.	INT, Moscow
Erma Boyd	Moscow, ID.	
Louise Shadduck	Coeur d'Alene, ID.	Idaho For. Industries
Dick Guth	Missoula, MT.	USFS, R-1
Con Wear	Priest River, ID.	
Lee White	Sandpoint, ID.	Carney Pole C.
Dick Rothermel	Missoula, MT.	NFFL, Missoula

Darrell C. Kenops	Sandpoint, ID.	USFS Sandpoint, ID.
Gladys E. Mandelko	Missoula, MT.	INT, Missoula
Betti Martinsen	Missoula, MT.	
Ernie Grambo	Medical Lake, WA.	USFS Retired
John R. Milodragovich	Missoula, MT.	R-1, Missoula
R. D. Bollacker	Sandpoint, ID.	
Dave Adams	Moscow, ID.	Univ. Idaho Forestry
Mary McKeever	Tacoma, WA.	Teacher
Barbara E. Gruschow	Ogden, UT.	
George F. Gruschow	Ogden, UT.	Retired, INT, Ogden
Mike Reeb	Sandpoint, ID.	ID. Public Lands, Forester
Lowell Spickelmire	Sandpoint, ID.	
Bob Pfister	Missoula, MT.	INT (FSL) Missoula
Jack A. Schmidt	Missoula, MT.	INT, Missoula
Wyman Schmidt	Missoula, MT.	INT, Bozeman, Mt.
Raymond C. Shearer	Missoula, MT.	INT (FSL) Missoula, MT.
James R. Moore	Moscow, ID.	Univ. of Idaho
Marilyn Cork	Rte. 1, Priest River, ID.	Priest River Times Newspaper
Clifford W. Wylie	Sandpoint, ID.	Consulting Forester
Alan Berryman	Pullman, WA.	Wash. State Univ. Entomol.
Susan Kesti	Moscow, ID.	Univ. Idaho Forestry
Jonalea Tonn	Moscow, ID.	INT, Moscow
Theodore S. Kardos	Newport, WA.	
P. D. Hanson	Santa Barbara, CA.	Retired USFS
C. L. Tebbe	Missoula, MT.	Retired USFS
Ray Karr	Missoula, MT.	R-1, Missoula
June Moncure	Missoula, MT.	
Peyton Moncure	Missoula, MT.	R-1, I&E, Missoula
Merry Rae Ross	Pullman, WA.	
David A. Ross	Pullman, WA.	INT, Moscow
Roy E. Nelson	Spokane, WA.	
H. Preston	Ephrata, WA.	
John Castles	Coeur d'Alene, ID.	Retired USFS
Scott McKahan	Coeur d'Alene, ID.	
JoAnn Coupe	Moscow, ID.	INT, Moscow
Ralph Vonnegut	Chateau, MT.	
Frances M. Preston	Moscow, ID.	INT, Moscow
L. A. Patronsky	Coolin, ID.	
Mrs. L. A. Patronsky	Coolin, ID.	
Charles Finan	Coeur d'Alene, ID.	Bureau Indian Affairs
Martin Onishuk	Missoula, MT.	INT, Missoula
Mal Furniss	Moscow, ID.	INT, Moscow
B. J. Archer	Priest River, ID.	
Norman E. Brown	Priest River, ID.	
Dick Brown	Priest River, ID.	
J. Allen Isaacson	Coeur d'Alene, ID.	USFS, Coeur d'Alene
Ron Russell	Missoula, MT.	
Dave Boyd	Moscow, ID.	
William Hamlin	Moscow, ID.	

Dan Montgomery	Priest River, ID.	Priest Lake R.D.
J. Martinson	Spokane, WA.	
Herb A. Carlson	Coeur d'Alene, ID.	Fernan R.D.
Mary Steffens	Pullman, WA.	YCC Crew Leader
Eleanor DeNio	Veradale, WA.	
Reg DeNio	Veradale, WA.	Retired USFS
Gordon Snyder	Deary, ID.	INT, Moscow
Carol Snyder & Brooke	Deary, ID.	
Lois Larsen	Newton, IA.	Daughter-in-law, J. A. Larsen
Einar Larsen	Newton, IA.	Son of J. A. Larsen
Julie Larsen	Newton, IA.	Daughter of Einar Larsen
Fred Stom	Omaha, NB.	Husband of Barbara (Larsen)
Barbara Stom	Omaha, NB.	Gr. daughter of J. A. Larsen
Eric, Amy, Darrel Stom	Omaha, NB.	Gr. Gr. Children of J. Larsen
Margaret Blumenschein	Omaha, NB.	Daughter of J. A. Larsen
Bob Blumenschein	Omaha, NB.	Son-in-law of J. A. Larsen
Harry Adams	Enid, OK.	
Lucy Adams	Enid, OK.	
Art Brackebusch	Missoula, MT.	NFFL, Missoula
George Jemison	Corvallis, OR.	Retired USFS
Bea Jemison	Corvallis, OR.	Wife of George
Diann Merrill	Orem, Utah	
Bert Humphries	Mead, WA.	Retired USFS
Frances Humphries	Mead, WA.	Wife of Bert
Carl G. Krueger	Coeur d'Alene, ID.	Retired USFS
Julius A. Larsen (99 yrs. age)	Omaha, NB.	Retired, USFS, Priest River
Karel Stoszek	Moscow, ID.	Univ. Idaho Forestry Dept.
Ray Steinhoff	Moscow, ID.	INT, Moscow
Robert L. Rice	Coeur d'Alene, ID.	R-1, Panhandle UF
John S. Black	Troy, ID.	INT, Moscow
Paul G. Swetik	Moscow, ID.	INT, Moscow
Cliff Schopmeyer	Silver Spring, MD.	Retired USFS
Peg Schopmeyer	Silver Spring, MD.	Wife



Forest Service · U.S. Department of Agriculture
INTERMOUNTAIN FOREST AND RANGE EXPERIMENT STATION
507 - 25th Street, Ogden, Utah 84401

AMERICAN REVOLUTION BICENTENNIAL 1776-1976

GROWING FROM '76
U.S. FORESTRY CENTENNIAL

"A Day at Priest River" . . . AUGUST 11, 1976

Commemorating the 65th anniversary of the establishment of Priest River Experimental Forest, as we celebrate the Nation's Bicentennial and the Centennial of American Forestry.

'A DAY AT PRIEST RIVER'
Wednesday, August 11

PROGRAM

10-11:30 a.m. — Welcome by Dr. Roger Bay, Director, Intermountain Forest and Range Experiment Station, followed by speakers representing industry, education, and research.

11:30 a.m.-1:30 p.m. — Lunch (if you did not bring your own) at a small charge. Opportunity to visit friends, see exhibits.

1:30 p.m.-5:30 p.m. — Tours by bus and on foot to research sites. Tour topics include fire, silvics, insects and disease, tree improvement, watershed, wildlife, natural areas, forest habitats, and plant identification.

5:30 p.m.-8:30 p.m. — Visit friends, see exhibits, visit points of interest.

Field Trip, Workshops, Sponsored by SAF

TUESDAY, AUGUST 10 — Field trip to Priest Lake Ranger District, where SAF specialists will lead discussion of management practices. Trip begins 8:00 a.m. at Ranger Station (near Priest River landing strip). Transportation provided for small fee. Bring sack lunch.

THURSDAY, AUGUST 12 — Forest growth projection workshop, conference room, new Federal Building, southwest side of Sandpoint.

8 a.m.-11:30 a.m. — Registration, classroom discussion of forecasting techniques. Covers effects of silvicultural practices.

11:30 a.m.-5 p.m. — Bus tour to test plots. Box lunch provided (cost included in registration fee).

FRIDAY, AUGUST 13 — Classroom demonstration of predicting timber growth in north Idaho and Montana. (Coffee and snacks available each day.)

Motels and Campgrounds

Motel rooms and camping spots are in short supply during the tourist season. Four Forest Service campgrounds (Outlet, Osprey, Reeder Bay, Luby Bay) on the west side of Priest Lake are available first-come, first-served at $3 per day.

Three Sandpoint motels under central management are accepting advanced reservations for a block of rooms reserved by the Department of Continuing Education, University of Idaho. Rates (2-bed units) are: Diamond W. Motel (3 miles south of Sandpoint), $16; Travelers Motel (Sandpoint), $20; Edgewater Lodge (Sandpoint waterfront), $30. Contact the manager, Travelers Motel (Phone 208-263-2111). Be sure to tell him you want rooms from the University of Idaho block reserved for August 10, 11, 12. Call the assigned motel to confirm reservations.